

# DISTRICT 17 CURRICULUM MAP

<b>School: District 17</b>	<b>Teacher(s): Joy Belyea</b>	<b>Grade/Level: 10</b>	<b>Discipline: Math 10 NRF</b>
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<b>Year: 2011-2012 (approx. timeline)</b>	<b>September(7 - 23)</b>	<b>September26 – October14</b>	<b>October (17 – 28)</b>	<b>October 31 – December 9</b>	<b>December 12 – January 20</b>
<b>Content</b>	Unit 1: Algebra and Number (3 weeks)	Unit 1: Algebra and Number (3 weeks)	Unit 2: Relations and Functions (2 weeks)	Unit 2: Relations and Functions (6 weeks)	Unit 2: Relations and Functions (4 weeks)
<b>Outcomes Essential Questions</b>	AN1, AN2, AN3	AN4, AN5	RF1,RF2, RF9	RF3,RF4,RF5,RF6,RF7	RF8, RF10
<b>Skills</b>	Determine prime factors, GCF, lcm, and square and cubed roots. Identifying and ordering irrational numbers. Demonstrate an understanding of powers, with integral and rational exponents.	Multiplying and factoring polynomials; concretely, pictorially, and symbolically.	Interpret and explain relationships among data, graphs, and word problems. Develop an understanding of relations and functions. Use function notation to represent a linear function.	Understanding slope, rise and run, rate of change, and parallel/perpendicular lines. Describe linear relations, using words, tables, graphs, and equations. Understand characteristics of graphs, including intercepts, slope, domain, and range. Relate linear relations in slope-intercept form, general form, and slope-point form. Given various information, determine the equation of the line.	Solve problems involving distance (between points and midpoints). Solving systems of equations graphically and algebraically.
<b>Assessment</b>	Daily homework Notebook checks Individual & group assignments Weekly quizzes Unit test Project Journal	Daily homework Notebook checks Individual & group assignments Weekly quizzes Unit test Project Journal	Daily homework Notebook checks Individual & group assignments Weekly quizzes Unit test Project Journal	Daily homework Notebook checks Individual & group assignments Weekly quizzes Unit test Project Journal	Daily homework Notebook checks Individual & group assignments Weekly quizzes Unit test Project Journal
<b>Key Resources</b>	Textbook: (Pearson) Foundations and Pre-calculus Math 10 <b>Chapters 3 and 4</b>  McGraw-Hill Ryerson Math 10	Textbook: (Pearson) Foundations and Pre-calculus Math 10 <b>Chapters 3 and 4</b>  McGraw-Hill Ryerson Math 10	Textbook: (Pearson) Foundations and Pre-calculus Math 10 <b>Chapter 5 (5.1 to 5.5)</b>  McGraw-Hill Ryerson Math 10	Textbook: (Pearson) Foundations and Pre-calculus Math 10 <b>RF3 Chapter 6 (6.1 and 6.2)</b> <b>RF4 Chapter 5 (5.6)</b> <b>RF5 Chapter 5( 5.7)</b> <b>RF6 and RF7 Chapter 6 (6.4, 6.5, 6.6)</b>  McGraw-Hill Ryerson Math 10	Textbook: (Pearson) Foundations and Pre-calculus Math 10 <b>RF8 (download)</b>  <b>RF10 Chapter 7(7.1 to 7.6)</b>  McGraw-Hill Ryerson Math 10